А

Library name	Source	SPARC tags	SPARC tag	Total tags in this
SAGE H126	Normal pancreatic ductal cell culture	30 ~1	1	library 32512
SAGE HX	Normal pancreatic ductal cell culture	93 .	3	32226
SAGE CAPANI	Pancreatic cancer cell line		0	37962
SAGE CAPANZ	Pancreatic cancer cell line		0	38354
SAGE HS766T	Pancreatic cancer cell line		0	47061
SAGE Panel	Pancreatic cancer cell line	200	5	24924
SAGE Panc 91-16113	Primary pancreatic adenocarcinoma tissue	3209	109	33957
SAGE Panc 96-6252	Primary pancreatic adenocarcinoma tissue	1706	61	35750

В

Sample name	Signal intensity	ensity Detection call		
NPDC1 (normal pancretic ductal cells)	1336	Present		
NPDC2 (normal pancretic ductal cells)	895	Present		
HPDE	3255	Present		
AsPCI	8.7	Absent		
CFPACI .	29.4	Absent		
Hs766T	4.1	Absent		
MiaPaCa2	75.3	Absent		
Panc1	442.1	Present		

Capan1
Capan1
Capan1
Capan1
Capan1
Capan1
Capan2
CFPAC1
FP C1
PP C1
PP C2
PP C3
PP C3
PP C4
PP C

Figure 1

PCT/US2004/020535

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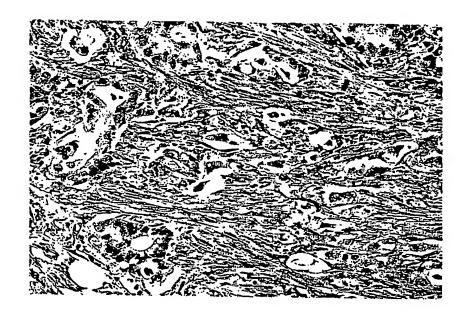


Figure 2

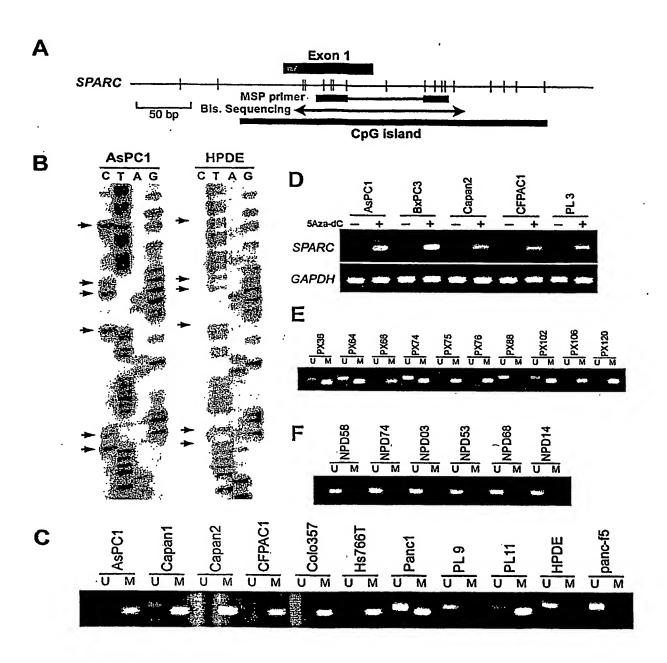


Figure 3

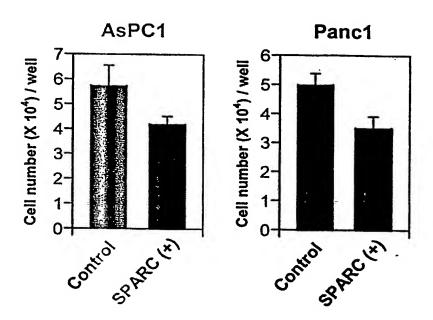


Figure 4

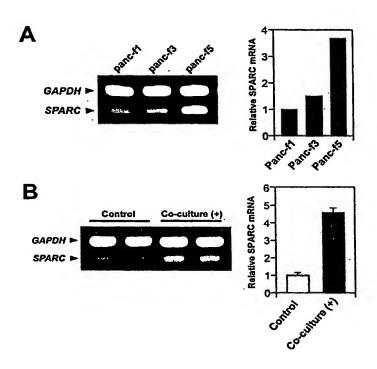


Figure 5

H.sapiens BM-40 gene. ACCESSION X82259

VERSION X82259.1 GI:1009408

KEYWORDS retrotransposon; SPARC protein.

1 gaatteettg taetttttt ceetteteag ttetgeactt aactegteta aaaaaattaa 61 aaaagaattt aagaaaccac aaagctaagc tgggtgcgt ggctcacgcc tgtaatccta 121 gcactttggg aagccaaggc attcggattg cccaagctca ggagttcgag accagcctgg 181 gcaacatgtt gaaaccccat ttctactaaa aatacaataa attagctggg tgttgtggca 241 tgtgcgcctg taatcccage tactctggag gctgaggcgc gataattgct tgaacccggg 301 aggcagaggt tgcagtgagc cgaaatcata ccactgcact ccagcctggg cgacagagtg 361 agtgagactc tgtctcaaaa caaaacaaaa caaacaaaca aaaaaaccgg aaaccaacaa 421 aactttttga ggaacaaagg gaaccaggta ttttattaat tctcatacct ccagagtgtt 481 aggcacaaaa taaacattca accaagacct gttgcactga gcagttcata tataacagga 541 gtgacccaag ttgaaacgta gaatcagccc tctcatacca ctttttgcca ggtgatcata 601 ggcaagttac ttagcatcta tgtttcctta ttattaaaat ggtcataatt acaatgccta 661 agataagggg gttgctgtga agattattaa atcctcagta aactttggct attgttactc 721 ctatgattat catcaatatc atcaattacc ttatctgttc aatactggtg gcacaggtcc 781 accagctaga tgtctaatcc cttatgtgtc tattagtggt acaagtggag tttgagtggg 841 atttttttt tttttttaa gaccagttcc aaatcatcaa ggatgatacc actagtagca 901 gcttgtcttg tctgtacagt ggtaagtcct ggccttgcct ttgtggcaaa tacaacccc 961 ttgaattgct tggcccttct cagcattgcc taatattagg gaggactcct gtaaagctca 1021 ctggttagaa gatcaagaca cttgggcctg gttctgcccc tggggggccat tgggtaattc 1081 cttssagtct ccaggcctca cttgccctct gaacaagaaa gaggcctgtt ctggtcatcc 1141 ctccagectg tecagecetg geactetgtg agteggttta ggeageagee eeggaacaga 1201 tgaggcaggc agggttggga cgtttggtca ggacagccca ccgcaaaaag aggaggaaag 1261 aaatgaaaga cagagacagc tttggctatg ggagaaggag gaggccgggg gaaggaggag 1321 acaggaggag gagggaccac ggggtggagg ggagatagac ccagcccaga gctctgagtg 1381 gtttcctgtt gcctgtctc gereger will be geed to be the control of the general general general general general general general general g 1501 cctttccctt ctatagttgc accaaccccg acacccccgt tcacgccgtc agctcgtgtg 1561 caagggaggg aagctctgct gaggatgcgc ctctcctccc ggctccatca cggctcccct

Figureb

WO 2005/017183 PCT/US2004/020535

1621taagagcatggccctcggtcctgtctgctgttgcttttcagaaggtggactcactgtgt1681aactttgtcttcccttacaggtttacaggaaaataatctcactatgttcttcgggggagc1741attttctcactctctgttttgtctctggtttcagaggctgcctgcctgt1801cctctttgctccctttgcaaatgtggcagcctctctttcctgggaatctgatcccatc1861acagctgccacagggacctggccagcaaccggagtctgtcctccagatctcggtcagggg1921ttctgtttccaaaaagggactttgcagaacaatcagttgatctctgaaagggaaagggg1981gaggcttcaccattaatccacacctctgggaagcttctgttttcctctaattctcctaa2041tcccaaacaccaccttccgtcccccaatacacaaatttcagcaccattctgcctggaat2101ggcaccatcacaacctcagtcttgggttaggtgttgtcctgtcctgagtccttgggat2161ggtaaacacaggcagtagcccttagtttatctagatctgaaaacccagacatcagatatc2221gtcaaccaagacatggggagggagtgtgcgggggagatattctcagaag2281ggggaaagggggaagggaaaagggagagaattc

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## Bisulfite Sequencing primers

forward; ATT TAG TTT AGA GTT TTG AGT GG (position 1359-1381) reverse; ACA AAA CTT CCC TCC CTT AC (position 1560-1579)

1081 tttssagttt ttaggtttta tttgtttttt gaataagaaa gaggtttgtt ttggttattt 1141 ttttagtttg tttagttttg gtattttgtg agtcggttta ggtagtagtt tcggaataga 1201 tgaggtaggt agggttggga cgtttggtta ggatagttta tcgtaaaaag aggaggaaag 1261 aaatgaaaga tagagatagt tttggttatg ggagaaggag gaggtcgggg gaaggaggag 1381 attttttgtt gtttgttttt aaattttttt atattttcgc ggttttttag attgttcgga 1441 gagcgcgttt tgtttgtcgt ttgtttgttt gttattgagg tatgtgtgat tttcgtttag 1501 ttttttttt ttatagttgt attaatttcg atattttcgt ttacgtcgtt agttcgtgt 1561 caagegaage and the gaggatgcgt tttttttttc ggttttatta cggttttttt 1621 taagagtatg gttttcggtt ttgtttgttt gttgtttttt agaaggtgga tttattgtgt 1681 aattttgttt ttttttatag gtttatagga aaataatttt attatgtttt tcgggggagt 1741 attttttat tttttgtttt tttttgtgtt tgtttttggt tttagaggtt gtttgttgt 1861 atagttgtta tagggatttg gttagtaatc ggagtttgtt ttttagattt cggttagggg 1921 ttttgttttt taaaaaggga ttttgtagaa taattagttg atttttgaaa gggaaagggg 1981 gaggttttat tattaattta tatttttggg aagtttttgt tttttttaa ttttttat 2041 ttttaaatat tatttttcgt ttttttaata tataaatttt agtattattt tgtttgaaat

Figure 1

## Methylation specific PCR primers

## Unmethylated

forward; TTT TTT AGA TTG TTT GGA GAG TG (position 1423-1445)

Reverse; AAC TAA CAA CAT AAA CAA AAA TAT C (position 1530-1554)

1381 gttttttgtt gtttgttttt aaattttttt atatttttgt gg

1441 tgtttgttgt tgtttgttt gttattgagg tatgtgtgat ttttgtttag

1501 ttttttttt ttatagttgt attaattttg alege ege ege ege ege tgtgtg

1621 taagagtatg gtttttggtt ttgtttgttt gttgttttt agaaggtgga tttattgtgt

FIGURE 8A

## Methylated

forward; GAG AGC GCG TTT TGT TTG TC (position 1439-1458)

Reverse; AAC GAC GTA AAC GAA AAT ATC G (position 1529-1550)

1321 ataggaggag gaggattac ggggtggagg ggagatagat ttagtttaga gttttgagtg

1381 gttttttgtt gtttgttttt aaattttttt atattttcgc ggttttttag attgttcg

1501 ttttttttt ttatagttgt attaattteg a like eg like eg agttegtg

1561 taagggaggg aagttttgtt gaggatgegt tttttttttc ggttttatta eggttttttt

1621 taagagtatg gttttcggtt ttgtttgttt gttgttttt agaaggtgga tttattgtgt

